

### Remarks

The Applicants do not believe that entry of the foregoing amendment will result in the entry of new matter in to the present applicant for in invention. Accordingly, it is respectfully requested that the foregoing amendment be entered and the claim kindly reconsidered.

The foregoing amendment is in response Final Office Action dated November 18, 2003 and the advisory action dated February 12, 2004. Claims 1-5 are currently pending in the present application for invention. The forging amendment adds new Claims 6-20, which are generally of similar scope to Claims 1-5.

The Examiner objects to the specification for not including section headings. The Applicant, respectfully, asserts that the current version of 337 CFR 1.77(b) does not require that the various sections of the specification to a utility application have a section heading. The only requirement is that the sections appear in a particular order. Accordingly, the Applicant, respectfully, declines to make the modification suggested by the Examiner because it is not necessary.

The Final Office Action dated November 18, 2003 rejects claims 4-5 under the provisions of 35 U.S.C. §112 first-paragraph, as containing subject matter which is not described in the specification. The Applicant does not agree with this assertion contained in the Final Office Action, however, the foregoing amendment to the claims is believed to obviate this rejection.

The Final Office Action dated November 18, 2003 rejected Claims 1 and 3 under the provisions of 35 U.S.C. §102(e) as being anticipated by U. S. Patent No. 6,580,579 issued in the name of Hsin et al. (Hsin et al.). The Examiner asserts that these recited limitations of the rejected claims are found within Hsin et al. Claim 1 has been amended to clearly recite that the parameters the controller and the feedforward filter are both adapted by an adaptation algorithm, which is not disclosed, or suggested by Hsin et al. Accordingly, the amended version of Claim 1 is believed to clearly distinguish the present invention over the cited reference, Hsin et al.

The Final Office Action dated November 18, 2003 rejected Claim 2 under the provisions of 35 U.S.C. §103(a) as being obvious over Hsin et al. in view of U. S. Patent No. 5,619,581 issued in the name of Ferguson et al. (Ferguson et al.). The Applicants believe that the foregoing amendment to Claim 1 renders this rejection moot.

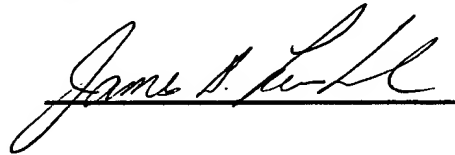
The Final Office Action dated November 18, 2003 rejects Claims 4 and 5 under the provisions of 35 U.S.C. §103(a) as being obvious over Hsin et al. in view of Ferguson et al. and further in view of U. S. Patent No. 6,018,431 issued in the name of Carlson et al. (Carlson et al.). The Applicants would like to, respectfully, point out that the Final Office Action does not include any portion from Carlson et al. within the discussion regarding this rejection. Perhaps this was an oversight. The Applicants, respectfully, submit that the amended version of Claim 4 “providing outputs from the processor to alter parameters of the feed forward filter and the controller”, is not disclosed, or suggested, by the cited references. Additionally, the Applicants, respectfully, assert that the amended version of Claim 4 recites the step of “applying an adapted version of the disturbance signals as parameters to a controller” which is not disclosed, or suggested, by the cited references. Therefore, this rejection is, respectfully, traversed.

Regarding Claim 5, the Examiner states that Hsin et al. teaches adaptation of control parameters. The Applicants, respectfully, disagree. However, Claim 5 depends from Claim 1 and Applicants respectfully submit that the foregoing amendment to Claim 1 renders this rejection moot.

In view of the foregoing amendment and remarks, the Applicants believe that the present application is in condition for allowance, with such allowance being, respectfully, requested.

Respectfully submitted,

By



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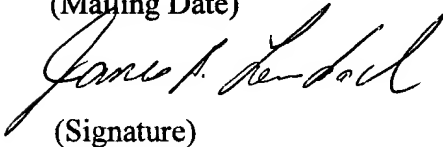
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